

**On=line offset printing colour applicator control system - uses  
calculated colour values over part of printed sheet to derive integrated  
comparison level**

Patent Number: DE4237004  
Publication date: 1994-05-05  
Inventor(s): HUEBLER ARVED CARL DR (DE)  
Applicant(s):: MOHNDRUCK REINHARD MOHN OHG (DE)  
Requested Patent: ☐ DE4237004  
Application Number: DE19924237004 19921102  
Priority Number(s): DE19924237004 19921102  
IPC Classification: B41F33/10 ; G01J3/28 ; G01J3/46  
EC Classification: B41F33/00D1  
Equivalents:

**- Abstract**

The offset printing system uses print rollers (1 to 4) to apply black, cyan, magenta and yellow colour to a paper run (5). Each roller has a colour applicator control unit (6, 7, 8, 9) and measurement unit (10, 11, 12, 13). Before the paper path passes the first roller, a measurement unit measures the optical density of a sheet in a measurement zone (15) over the sheet length.

After passing a print roller (1), the optical density is measured by another measurement unit (10) in the same way. A difference value is formed and compared with a value calculated from the print raster colour values over the measurement area. A correction signal is generated to regulate the colour applicator (6).  
USE/ADVANTAGE - Offset printing colour match control by monitoring actual print area rather than by use of test strips.

Data supplied from the esp@cenet database - I2